DT69 Rec'd PCT/PTO 1.8 JAN 2005

Atty ocket No.: 532622010100

10/521584

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Dr. Andreas Reindl

Serial No.: To be assigned

Filing Date: Concurrently herewith

For: NADH-DEPENDENT CYTOCHROME B5

REDUCTASE AS TARGET FOR HERBICIDES

Examiner: Not Yet Assigned Group Art Unit: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98

MS Amendment Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97 and § 1.98, Applicant submits for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of foreign documents and non-patent literature are submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted with the application; accordingly, no fee or separate requirements are required.

Applicant would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

Application No: Not yet assigned

Atty. Docket 15... 532622010100

10/521584

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 532622010100.

Dated: January 18, 2005

Respectfully submitted,

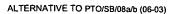
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Substitute for form 1449/PTO				Complete if kinden / 52158		
300	salidle for form 1449/110			Application Number	To be assigned	
11	INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Filing Date	Concurrently herewith	
S				First Named Inventor	Dr. Andreas Reindl	
_				Art Unit	Not yet assigned	
	(Use as many sh	eets a:	s necessary)	Examiner Name	Not yet assigned	
Sheet	1	of	2	Attorney Docket Number	532622010100	

	U.S. PATENT DOCUMENTS				
Examiner Initials*	Darrine Cite		Publication Date Name of Patentee or Applicant of Cited Document		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1. 5,187,071		2/16/1993	Fischer et al.		

	FOREIGN PATENT DOCUMENTS					
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	
Initials* No.1		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T ⁶
	2.	WO-98/33925-A1	8/6/1998	Yale University		7
	3.	WO-00/77185-A2	12/21/2000	Novartis AG		1
	4.	WO-01/38484-A2	5/31/2001	BASF Plant Science GMBH		7

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	NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²		
	5.	The Arabidopsis Genome Initiative. "Analysis of the Genome Sequence of the Flowering Plant Arabidopsis Thaliana," Nature, Vol. 408, December 14, 2000, pp. 796-815			
	6.	Nicolas Bouché et al. "Arabidopsis Gene Knockout: Phenotypes Wanted," Current Opinion in Plant Biology, 2001, pp. 111-117			
	7.	Masako Fukuchi-Mizutani et al. "Microsomal Electron Transfer in Higher Plants: Cloning and Heterologous Expression of NADH-Cytochrome b₅ Reductase from Arabidopsis," Plant Physiology, January 1999, Vol 199, pp. 353-361			
	8.	Toshitsugu Yubisui et al. "Characterization of the Purified NADH-Cytochrome b₅ Reductase of Human Erythrocytes as a FAD-containing Enyme," The Journal of Biological Chemistry, Vol. 255, No. 6, March 25, 1980, pp. 2454-2456			
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	10.	Sighart W. Golf et al. "Properties and Biochemical Characterization of NADH 5α-Reductase from Rat Liver Microsomes," Biol. Chem. Hoppe-Seyler, Vol. 366, July 1985, pp. 647-653			
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	12.	P. A. Covitz et al. "Expressed Sequence Tags from a Root-Hair-Enriched Medicago Truncatula cDNA Library," located at www.ebi.ac.uk/cgi-bin/dbfetch visited on November 12, 2004, 2 pages			
	13.	Peter A. Covitz et al. "Expressed Sequence Tags from a Root-Hair-Enriched Medicago Truncatula cDNA Library," Plant Physiol., Vol. 117, 1998, pp. 1325-1332			
	14.	H. J. Bohnert et al. "Functional Genomics of Plant Stress Tolerance," located at www.ebi.ac.uk/cgi-bin/dbfetch visited on November 12, 2004, 2 pages			
	15.	E. Holt et al. "Generation of ESTs from Potato Swelling Stolons," located at www.ebi.ac.uk/cgi-bin/dbfetch visited on November 12, 2004, 2 pages			
	16.	B. G. de los Reyes et al. "Differential Gene Expression in Sugar Beet Seedlings Germinated under Stress Conditions," located at www.ebi.ac.uk/cgi-bin/dbfetch visited on November 12,			

Examiner	Date
Signature	Considered
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ALTERNATIVE TO PTO/SB/08a/b (06-03)

Substi	Substitute for form 1449/PTO			Complete # Known - 24 - 2		
				Application Number	To be assigned 521584	
INI	FORMATION	N DI	SCLOSURE	Filing Date	Concurrently herewith	
ST	STATEMENT BY APPLICANT (Use as many sheets as necessary)			First Named Inventor	Dr. Andreas Reindl	
				Art Unit	Not yet assigned	
				Examiner Name	Not yet assigned	
Sheet	2	of	2	Attorney Docket Number	532622010100	

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1	7. B. Xoconostle-Cazares et al. "CmPP36, a Protein Involved in Fe Metabolism Requires Proteolytic Processing for Entry into the Phloem Translocation Pathway," located at www.ebi.ac.uk/cgi-bin/dbfetch visited on November 12, 2004, 2 pages
1	 Paolo Bagnaresi et al. "Tonoplast Subcellular Localization of Maize Cytochrome b₅ Reductases," The Plant Journal, Vol. 24, No. 5, 2000, pp. 645-654
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2	Eiji Sakuradani et al. "Identification of an NADH-Cytochrome b₅ Reductase Gene from an Arachidonic Acid-Producing Fungus, Mortierella alpina 1S-4, by Sequencing of the Encoding cDNA and Heterologous Expression in a Fungus, Aspergillus oryzae," Applied and Environmental Microbiology, Vol. 65, No. 9, Sept. 1999, pp. 3873-3879
2	1. Kearns et al. Spektrum Akademischer Verlag Heidelberg, Berlin, Oxford., 1991, pp. 750-751

^{*}EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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